

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

Claims 1-18 (canceled).

19. (new) A storage system, comprising:

a controller controlling transfer of data to a plurality of storage regions;

a data line having a first type interface which is coupled to said controller, said data line relays data from/to said controller;

a plurality of converters, coupled to said data line, each of which convert said first type interface to a second type interface; and

a plurality of first type disk drive units having a plurality of first disk drives which have some of said storage regions,

wherein each of first type disk drive units has said second type interface and each of first type disk drive units corresponds to one of said converters;

wherein said first type interface is a serial interface.

20. (new) A storage system according to claim 19, wherein said first type interface is a fibre channel interface, and

wherein said second type interface is an AT Attachment (ATA) interface.

21. (new) A storage system according to claim 19, further comprising:

a plurality of second type disk drive units having a plurality of second disk drives which have some of said storage regions,

wherein each of second type disk drive units has said first type interface.

22. (new) A storage system according to claim 19, further comprising:

a plurality of second type disk drive units having a plurality of second disk drives which have some of said storage regions and each of second type disk drive units having said first type interface, and

wherein said first type interface is a fibre channel interface.

23. (new) A storage system according to claim 19, further comprising:

a plurality of second type disk drive units having a plurality of second disk drives which have some of said storage regions and each of said second type disk drive units having said first type interface, and

wherein said data line is a Fibre Channel Arbitrated Loop (FC-AL) and is coupled to said second type disk drive units.

24. (new) A storage system according to claim 19, further comprising:

a second type disk drive unit having a second disk drive which has some of said storage regions, and said first type interface;

a housing having said first type disk drive units and said second type disk drive unit; and

a rack having said housing and an another housing, one of said housing and said another housing being laid on the other of said housing and said another housing.

25. (new) A storage system according to claim 19, further comprising:
a plurality of second type disk drive units having a plurality of second disk drives which have some of said storage regions, each of second type disk drive units having said first type interface;

a plurality of housings having a first housing and a second housing, said first housing having said first type disk drive units, and said second housing having said second type disk drive units; and

a rack having said first and second housings, one of said housings being laid on the other of said housings.

26. (new) A storage system according to claim 19, wherein said data line is a Fibre Channel Arbitrated Loop (FC-AL).

27. (new) A storage system according to claim 19, wherein each of said converters is installed in one of said first disk drives.

28. (new) A storage system according to claim 19, wherein each of said converters is installed outside of one of said first disk drives and in one of said first type disk drive units.

29. (new) A storage system according to claim 19, further comprising:
a power supply coupled to said first type disk drive units by at least one of
power lines and supplying power to said first type disk drive units; and
a power controller coupled to said power supply and controlling to supply
power to said first type disk drive units,
wherein one of said first type disk drive units relays a control signal sent from
said controller to said power controller.

30. (new) A storage system according to claim 19, further comprising:
a plurality of second type disk drive units having a plurality of second disk
drives which have some of said storage regions, each of second type disk drive units
having said first type interface,
wherein said first type interface is a Fibre Channel (FC) interface,
wherein said second type interface is an AT Attachment (ATA) interface,
wherein some of said first type disk drives form a first logical unit, said first
logical unit is an object to store data sent from an host computer which is coupled to
said controller,
wherein some of said second type disk drives form a second logical unit, and
wherein each of said first logical unit and said second logical unit has a logical
unit number.

31. (new) A storage system according to claim 19, wherein said second type interface is an AT Attachment (ATA) interface, and
wherein some of said first type disk drives are used to store data, said data being used to back up.